

DETAILED ACTION

Remarks

1. The present Office Action is based upon the Applicant's amendment filed on Oct. 27, 2009. **Claims 1-9 and 11-13** are now allowed.

Allowable Subject Matter

1. **Claims 1-9 and 11-13** are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding **claim 1**, the prior art of the record fail to suggest, disclose or teach individually or in combination to render obvious (in view of the Applicant's Remarks and Amendment) that "wherein said transmitting and receiving electrode is continuously provided on a bottom and a side of an external wall surface of said insulating case, so that said transmitting and receiving electrode is adapted to allow said electric field transmission medium to closely approach the bottom and the side" and "wherein said transmitting and receiving electrode prevents said electric field transmission medium from being electrically coupled to said ground electrode."

Regarding **claim 5**, the prior art of the record fail to suggest, disclose or teach individually or in combination to render obvious (in view of the Applicant's Remarks and Amendment) that "wherein said transmitting electrode is continuously provided on a bottom and a side of an external wall surface of said insulating case, so that said

transmitting electrode is adapted to allow said electric field transmission medium to closely approach the bottom and the side" and "wherein said transmitting and receiving electrode prevents said electric field transmission medium from being electrically coupled to said ground electrode."

Regarding **claim 12**, the prior art of the record fail to suggest, disclose or teach individually or in combination to render obvious (in view of the Applicant's Remarks and Amendment) that "wherein said transmitting electrode is continuously provided on a bottom and a side of an external wall surface of said insulating case, so that said transmitting electrode is adapted to allow said electric field transmission medium to closely approach the bottom and the side" and "wherein said receiving electrode prevents said electric field transmission medium from being electrically coupled to said ground electrode."

Regarding **claim 13**, the prior art of the record fail to suggest, disclose or teach individually or in combination to render obvious (in view of the Applicant's Remarks and Amendment) that "wherein said receiving electrode is continuously provided on a bottom and a side of an external wall surface of said insulating case, so that said receiving electrode is adapted to allow said electric field transmission medium to closely approach the bottom and the side" and "wherein said receiving electrode prevents said electric field transmission medium from being electrically coupled to said ground electrode."

Therefore, **claims 1-9 and 11-13** are considered novel and non-obvious, and allowed.

3. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

- a. Edwards et al. (U.S. Patent # 5398683) disclose Combination monophasic action potential/ablation catheter and high-performance filter system.
- b. Minotani et al. (U.S. Patent # 7583930 B2) disclose Transmission device, electric field communication transceiver, and electric field communication system.
- c. Fukumoto et al. (U.S. Patent # 7551893 B2) disclose Communication unit, communication facility, management device, communication system, and electric field communication device.
- d. Ishibashi et al. (U.S. Patent # 7509092 B2) disclose Information processing system and information processing method.
- e. Shinagawa et al. (U.S. Patent # 7493047 B2) disclose Transceiver suitable for data communications between wearable computers.
- f. Shinagawa et al. (U.S. Patent # 7430374 B2) disclose Transceiver

suitable for data communications between wearable computers.

g. Minotani et al. (U.S. Patent # 7069062 B2) disclose Transceiver of causing series resonance with parasitic capacitance.

h. Russell (U.S. Patent Application Publication # 20030013948) disclose Medical electrode for preventing the passage of harmful current to a patient.

5. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

6. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Allahyar Kasraian whose telephone number is (571) 270-1772. The Examiner can normally be reached on Monday-Thursday from 8:00 a.m. to 5:00 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Rafael Pérez-Gutiérrez can be reached on (571) 272-7915. The fax phone number for the organization where this application or proceeding is assigned is (571)

273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 571-272-4100.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

/Allahyar Kasraian/
Examiner, Art Unit 2617

A.K./ak

/Rafael Pérez-Gutiérrez/
Supervisory Patent Examiner, Art Unit 2617